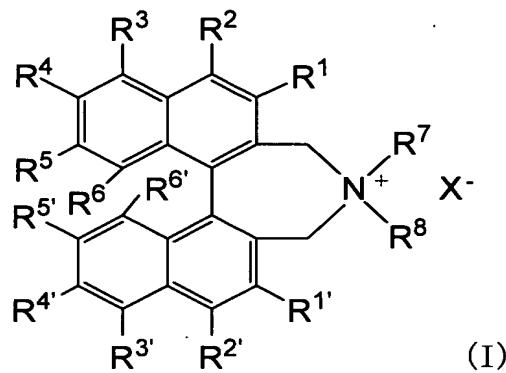


## ABSTRACT

The present invention provides a compound of the following formula (I) below. This compound (I) can be produced by reacting a 5 2,2'-dimethylene bromide-1,1'-binaphthyl derivative, which can be produced by a relatively small number of processes, with an easily available secondary amine. This compound (I) is useful as a chiral phase-transfer catalyst.

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(I)

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